

Algebra Review Quiz Chapters 1-13 C

- _____ 1. $(4n + 3b)(3n + 5b) =$
- _____ 2. Factor completely: $15n^3b^2 + 10nb^3 + 20n^4b^4$
- _____ 3. Is $\sqrt{\frac{16}{100}}$ a rational or irrational number?
- _____ 4. If $f(x) = 3x - 4$ and $g(x) = 5x + 2$, what is $f(g(x))$?
- _____ 5. A combination is 2 different vowels followed by 2 different prime digits. How many combinations exist?
- _____ 6. $(5n - 2)(3n + 4) =$
- _____ 7. Simplify: $\left(\frac{4n^3y^5}{5ab^6c^3}\right)^2$
- _____ 8. Factor into two binomials: $9n^2 - 25$
- _____ 9. Without a calculator, find the value for x.
 $2^{12} = 8^x$
- _____ 10. 6 is what percent of 20?